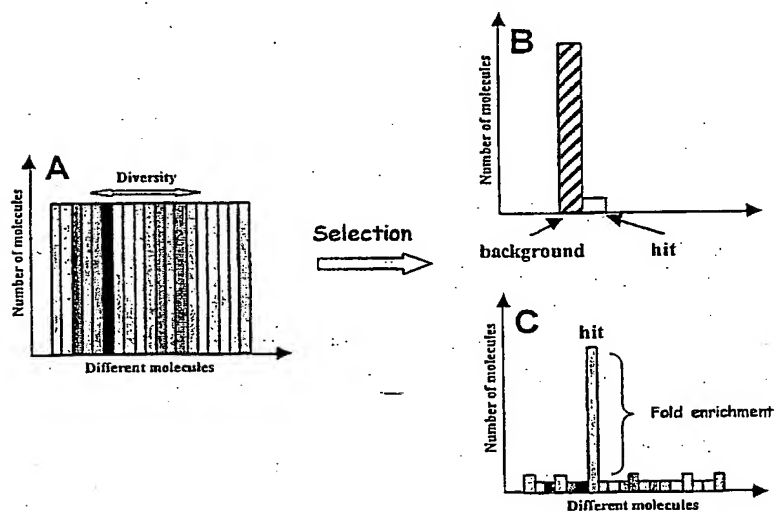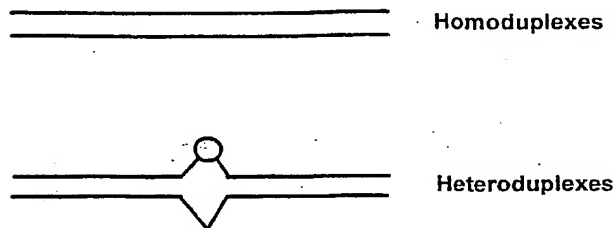Figure 1. Selection generate specific hits and
a diverse set of background binders

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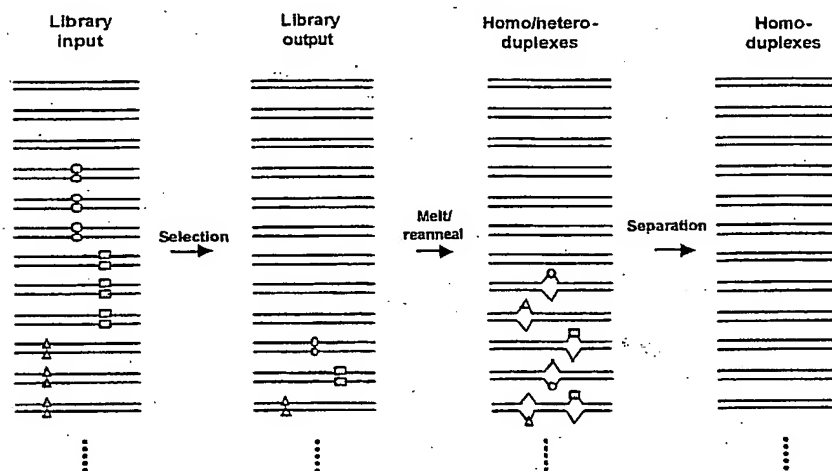
Figure 2. Homo- and heteroduplexes

Homoduplexes

Heteroduplexes
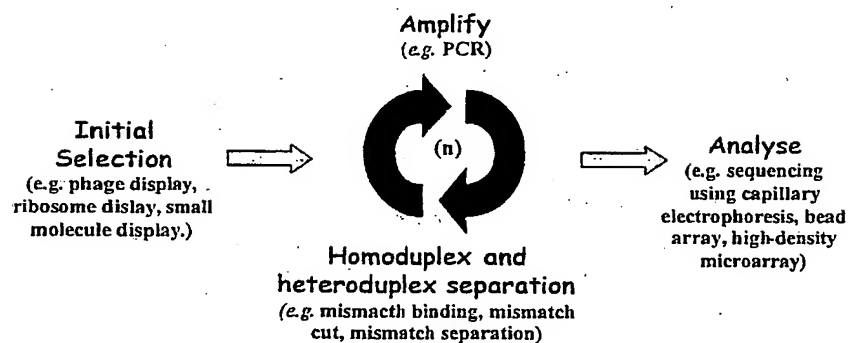
Figure 3. Homo- and Hetero-duplex formation and separation

Library input   Library output   Homo/hetero-duplexes   Homo-duplexes

Selection →   Melt/reanneal →   Separation →

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Figure 4. The overall principle of mismatch selection (MISE)

Amplify
(*e.g.* PCR)

Initial Selection
(e.g. phage display, ribosome dislay, small molecule display.)

(n)

Analyse
(e.g. sequencing using capillary electrophoresis, bead array, high-density microarray)

Homoduplex and heteroduplex separation
(e.g. mismacth binding, mismatch cut, mismatch separation)

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